

## 1 POWER RISER DIAGRAM - SERVICE POINT #1

## NOTE:

- I. PROVIDE ALL INSTALLATION HARDWARE INCLUDING STEEL ENCLOSURE FOR SECURE INSTALLATION (DET. 3/55).
- 2. TERMINAL BLOCK ENCLOSURE TO HAVE SPACE FOR MIN. OF (4) CIRCUITS FOR FUTURE EXPANSION.
- 3. EXACT LOCATION OF PANEL TO BE DETERMINED AT PROJECT SITE.
- 4. SERIES RATING FOR CIRCUIT BREAKERS SHALL BE 65K AIC.
- 5. ENTIRE INSTALLATION TO BE RATED FOR NEMA 3R OUTDOOR INSTALLATION. PANEL AND SWITCH SHALL PROVISIONS FOR LOCKING.
- 6. EXACT LOCATIONS OF EQUIPMENT SHALL BE DETERMINED AT THE PROJECT SITE. COORDINATE LOCATIONS WITH ONCOR ELECTRIC UTILITY AND OWNER.
- 7. PROGRAM LIGHTS 'ON' BY PHOTO CELL AND 'OFF' BY TIME CLOCK.

POWER RISER DIAGRAM - SERVICE POINT #2

I'EMPTY CONDUIT CONNECTIONS BY OTHERS METER SOCKET AND MAIN LUG ENCLOSURE  (3) *3 - 1 1/4*C.	METER SOCKETS FOR IRRIGATION CIRCUIT  IRRIGATION CIRCUIT DISCONNECT SWITCH
2" CONDUIT WITH LIGHTING CONDUCTORS -	AND CONNECTIONS BY OTHERS.
POINTING NORTH  24 HOUR MECHANICAL TIME CLOCK  (3) *10-¾'C.  LIGHTING CONTACTOR ENCLOSURE NEMA 3R WITH (3) 30A, 2POLE CONTACTORS AND SPACE FOR (2) FITTURE	60 AMP, 2-POLE S/N DISCONNECT FUSED AT 40 AMPS. SERVICE TO ONCOR STREET LIGHTING. NEMA 3R ENCLOSURE
SPACE FOR (2) FUTURE  2" GALVANIZED RIGID CONDUIT AND ELBOWS (TYPICAL)  METALLIC-TO-NONMETALLIC CONDUIT ADAPTER  2" PVC CONDUIT, 24" BELOW GRADE (TYPICAL)  DUPLEX RECEPTACLE, NEMA 3R WITH SPRING COVER	*8 GND
UNDERGROUND CIRCUITS TO PEDESTRIAN LIGHTS  2" SPARE CONDUIT STUB OUT 3FT AND CAP.  3" EMPTY CONDUIT TO ONCOR POWER POLE	2" UNDERGROUND EMPTY CONDUIT TO STREET LIGHTS  2" UNDERGROUND EMPTY CONDUIT WITH PULL ROPE TO IRRIGATION CONTROLLER CABINET.

	GENERAL NOTES
NUMBER	DESCRIPTION
۱.	THE TERM 'PROVIDE' SHALL MEAN FOR THE CONTRACTOR TO FURNISH AND INSTALL A COMPLETE OPERATING SYSTEM.
2.	LOCATIONS OF ALL LIGHT FIXTURES, PULL BOXES AND ROUTING OF CONDUITS SHALL BE IDENTIFIED ON THE SITE BY STAKES AND PAINT PRIOR TO ANY EXCAVATION. REQUIREMENTS FOR CONDUIT ROUTING ARE PROVIDED ON DRAWINGS AND SPECIFICATIONS. OWNER WILL REVIEW AT THE SITE AND PROVIDE DIRECTIONS ON FIELD ADJUSTMENTS OF UP TO 10 FEET FROM LOCATIONS SHOWN ON THE DRAWINGS.
3.	CONTRACTOR SHALL COORDINATE STORM WATER, WASTEWATER, WATER, IRRIGATION AND ELECTRICAL CONDUIT TRENCHING AND INSTALLATION TO MINIMIZE THE DISTRUBANCE OF EXISTING TREE ROOTS.
4.	ALL IN-GROUND PULL BOXES ARE 12"x18"x12" DEEP CONCRETE WITH BOLT ON COVERS.

	ELECTRICAL LEGEND
SYMBOL	DESCRIPTION
	2" CONDUIT 24" BELOW GRADE FOR LIGHTING CIRCUITS FROM PANELBOARD TO PULL BOX AND LIGHT POLE.
₽.B <b>.</b>	PULL BOX. (12"Wx12"Dx18"L)
A-1,3	CIRCUIT NUMBERS FROM PANELS AT SERVICE POINTS.
<b>A</b>	ELECTRIC SERVICE POINT WITH UTILITY METERS, DISCONNECT SWITCHES, PANELBOARD & LIGHTING CONTROLS.
Ø	PEDESTRIAN LIGHT FIXTURE TYPE "A".
□•	STREET LIGHT FIXTURE TYPE 'B'.

CIRCUIT SCHEDULE-PANEL "A"			
PANELBOARD	CIRCUIT BREAKER	CIRCUIT NUMBERS	LOAD SERVED
I20/240 VOLT IPH., 3WIRE WITH GROUND IOO AMP MCB	40A/2P 40A/2P 40A/2P	A-1,3 A-5,7 A-9,11	PEDESTRIAN LIGHTS "A" (EAST) PEDESTRIAN LIGHTS "A" (WEST) SPARES
	20A/IP 20A/IP SPACES	A-2 A-4,6 A-8,10,12	DUPLEX RECEPTACLE SPARES

- NOTES TO CIRCUIT SCHEDULE:
- I. PROVIDE A #8 EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS.
- 2. MAINTAIN CONDUCTOR SIZE SCHEDULED THROUGHOUT ENTIRE CIRCUIT.

CIR	CUIT S	CHEDULE	E-PANEL "B"
PANELBOARD	CIRCUIT BREAKER	CIRCUIT NUMBERS	LOAD SERVED
I20/240 VOLT IPH., 3WIRE WITH GROUND IOO AMP MCB	30A/2P 30A/2P 30A/2P	B-1,3 B-5,7 B-9,11	PEDESTRIAN LIGHTS "A" (EAST) PEDESTRIAN LIGHTS "A" (WEST) SPARES
	20A/IP 20A/IP SPACES	B-2 B-4,6 B-8,10,12	DUPLEX RECEPTACLE SPARES

NOTES TO CIRCUIT SCHEDULE:

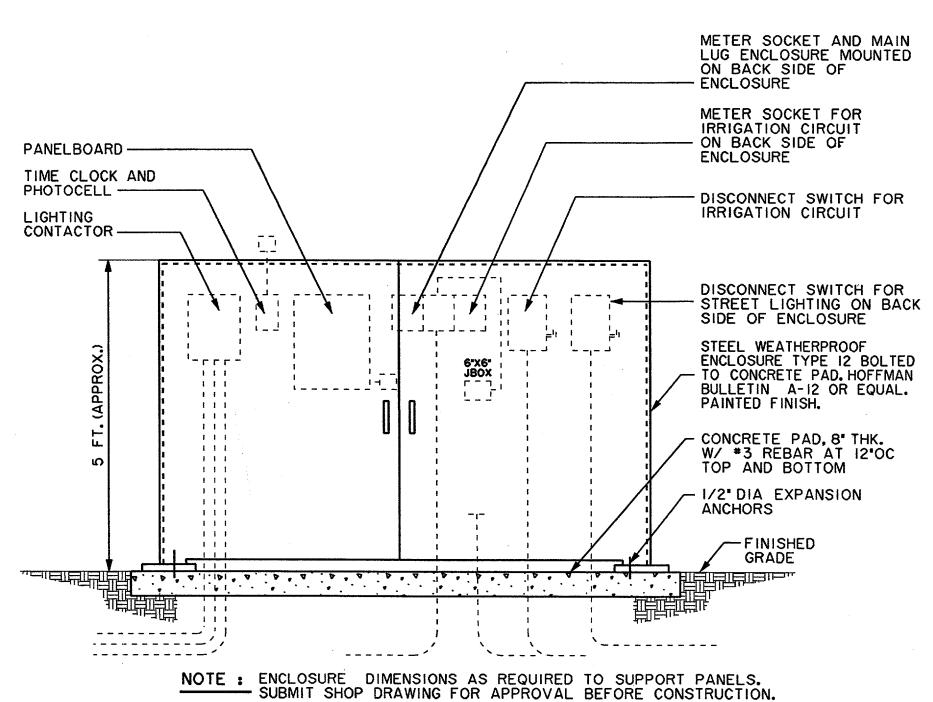
- I. PROVIDE A #8 EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT RUNS.
- 2. MAINTAIN CONDUCTOR SIZE SCHEDULED THROUGHOUT ENTIRE CIRCUIT.

	LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMP	MANUFACTURER AND CATALOG NO.S	
A 🔯	CUSTOM STYLE (PEDESTRIAN)	70MHT6	SEE NOTE #2 BELOW.	
A-POLE	SEE NOTE #5.		SEE NOTE #2 BELOW.	
в □•	CUSTOM STYLE (STREET)	400MH/ 70MHT6	SEE NOTE #2 BELOW.	
B-POLE	SEE NOTE #5.		SEE NOTE #2 BELOW.	

- LIGHTING FIXTURE/POLE NOTES:
- I. PROVIDE REINFORCED CONCRETE BASE, ANCHOR BOLTS AND REQUIRED ACCESSORIES REFER TO DETAILS ON SHEET 13.
- 2. REFER TO "TOWN OF ADDISON LIGHTING MASTER PLAN SPECIFICATION FOR DESCRIPTION OF PEDESTRIAN AND STREET LIGHTS..
- 3. PROVIDE MATCHING BASE COVER FOR EACH FIXTURE. GROUT UNDER ALL POLE BASES.
- 4. ALL FIXTURES ARE 240 VOLT. PROVIDE DOUBLE FUSING IN EACH POLE
- 5. FUSE EACH INDIVIDUAL LIGHT FIXTURES/POLE ASSEMBLY.
- 6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

BASE BID: TOWN OF ADDISON OWNS THE PEDESTRIAN LIGHT SYSTEM. ONCOR WILL ACCEPT OWNERSHIP OF STREET LIGHT SYSTEM AFTER CONSTRUCTION IS COMPLETE. REFER TO SHEET 54.

- I. PROVIDE WIRE AND CONDUIT BELOW GRADE FROM ONCOR SERVICE POLE TO SERVICE POINTS.
- PROVIDE STEEL WEATHERPROOF ENCLOSURE WITH CONCRETE PAD TO SUPPORT UTILITY METERS, PANELBOARDS AND LIGHTING CONTROL EQUIPMENT. REFER TO DETAIL 3/55.
- 3. PROVIDE ALL METER SOCKETS, DISCONNECT SWITCHES, PANELBOARDS AND LIGHTING CONTROL EQUIPMENT.
- 4. PROVIDE PEDESTRIAN LIGHT FIXTURES TYPE "A", POLES, CONCRETE POLE BASE AND UNDERGROUND CONDUITS WITH POWER CIRCUITRY.
- 5. PROVIDE STREET LIGHT FIXTURES TYPE 'B', POLES, CONCRETE POLE BASE AND THE EMPTY UNDERGROUND CONDUIT SYSTEM. POWER WIRING WILL BE INSTALLED BY ONCOR.
- PROVIDE EMPTY CONDUIT FOR IRRIGATION SYSTEM AND SIGNAL CONTROLLER CABINETS.



SUBMIT SHOP DRAWING FOR APPROVAL BEFORE CONSTRUCTION.

SERVICE POINT ENCLOSURE

SCALE: NONE

DATE DESCRIPTION REF NO.

O3/02/04 REVISED ALL STREET AND PEDESTRIAN LTG

II/07/03 ISSUED FOR BID

BASE BID
STREET LIGHT NOTES & DETAILS
SPECTRUM DRIVE EXTENSION

TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.

3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

NONE

SCALE | DATE | PROJECT NO.

NOV

2003

DRAWN APPR.

DEM

01-3220-01 55 \$\$DGN\$SPECIFICATION\$\$